DATEXX

Exactime

AutoUpdate

Radio Controlled Digital Alarm Clock with Thermometer and Moon Phase

(DRC-604)
USER'S MANUAL

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INTRODUCTION

Thank you for selecting the **Exactime** Atomic Alarm Clock.

This device includes precise time keeping, moon phase and temperature monitoring features that you can use from the comfort of your home.

In this package you will find:
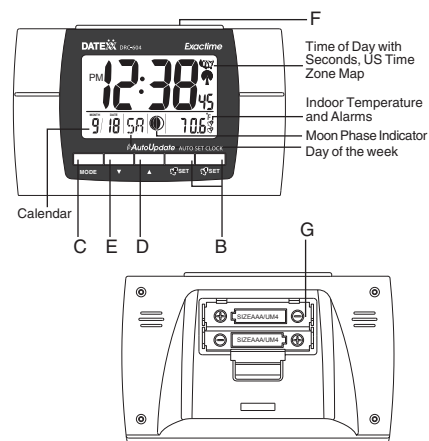• One Table Alarm Clock
• One User Manual

Please keep this manual handy as you use your new item. It contains practical step-by-step instructions, as well as technical specifications and precautions you should know.

PRODUCT OVERVIEW

FEATURES

* Precise time and date set via RF signals from the US Atomic Clock
* Calendar displaying date with month and day of the week in English, Spanish or French
* Indoor temperature display with trend indicator
* Moon Phase indicator
* User-selectable temperature display in Celsius or Fahrenheit
* User-selectable 12 or 24 hour time format
* Dual crescendo alarm with snooze
* Programmable snooze interval (one to 59 minutes)

FRONT VIEW
A. RADIO CONTROLLED CLOCK WITH INDOOR TEMPERATURE AND MOON PHASE IN A TWO - LINE LCD DISPLAY

Time of Day with Seconds, US Time Zone Map

Indoor Temperature and Alarms

Moon Phase Indicator

Day of the week

Calendar

C E D   B   G

B. ALARM 1 & ALARM 2 BUTTONS
* Select and set Alarm One and Alarm Two
* Recall current alarms status

C. MODE BUTTON
* Allows toggle between display modes (Alarm1, Alarm2 and Temperature)
* Activates manual programming mode
* Activates or deactivates the atomic time receiver

D. UP (▲) BUTTON
* Increases all function parameters
* Selects 12 or 24 hour time display format
* Activates US Time Zone selection mode

E. DOWN (▼) BUTTON
* Decreases all function parameters
* Sets the language for the day of the week

F. SNOOZE/LIGHT BUTTON
* Activates snooze function and LCD backlight

REAR VIEW
G. BATTERY COMPARTMENT
* Accommodates 2 (two) AAA 1.5V alkaline batteries.

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WWVB RADIO CONTROLLED TIME
The NIST (National Institute of Standards and Technology) radio station (WWVB) is located in Ft. Collins, Colorado. It transmits an exact time signal continuously throughout the most of the continental United States at 60 KHz frequency. The Travel Alarm Clock can receive this WWVB signal through the internal antenna from up to 2,000 miles away. Due to the nature of the Earth's ionosphere, reception can be limited during the daylight hours. The radio controlled clock will search for an alternate station that receives the atomic time signal from the NIST Atomic clock in Boulder, Colorado.
The WWVB tower icon on the unit's display will flash indicating a radio signal reception from the WWVB station. If the tower icon is not fully lit, or if the time and date are not set automatically, please consider the following:

* During night-time hours, atmospheric disturbances are typically less severe and radio signal reception may improve. A single daily reception is sufficient enough to keep the clock accuracy within 1 second.
* Make sure the unit is positioned at 8 feet (2 meters) distance from any interference source such as a TV, computer monitor, microwave, etc.
* Within concrete wall rooms such as basements or office buildings, the received signal may be weakened.
  Always place the Table Alarm Clock near the window for better reception.

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GETTING STARTED
BATTERY INSTALLATION
* Open the battery compartment door.
* Install 2 battery AAA size 1.5V matching the polarity as shown in the battery compartment.
* Replace the battery compartment door.

RADIO CONTROLLED CLOCK
After installing batteries, set the time manually.
ONE TIME SET is needed ONLY when first used.
The clock will update the time automatically afterwards.
Once the atomic time signal is received, the date and time will be set automatically, and the [🕪] icon will appear.

After the clock is set manually, place it by the window for the better reception. The atomic clock receiver is programmed that it will continue to search for the atomic time signal daily for every hour between 1:00 am and 4:30 am. Once the time signal has been successfully received, the time and date will be updated automatically.

CALENDAR AND CLOCK DISPLAY MODES
Precise time is displayed in hour-minutes-seconds format on the top ine of the Atomic Alarm Clock.
The date is displayed in month-date format on the bottom line next to the day of the week.
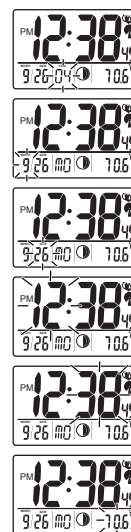
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MANUAL SETTINGS
TIME ZONE
* Select the Time Zone by pressing and holding the **UP (▲)** button for 3 seconds.
* Keep holding **UP (▲)** button until the desired time zone (Pacific, Mountain, Central or Eastern) is highlighted on the clock's display map.
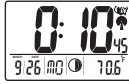
CLOCK
* Press and hold **MODE** button for 3 seconds: the year digit will flash.

* Press **UP (▲)** or **DOWN (▼)** to change flashing digits.
* After the first value is set, press **MODE** button again to confirm and move to the next parameter.
* Continue setting month, date, hour, minutes and temperature display format.
* Press **MODE** button for the last time to return to the time of day with seconds, after the last parameter is set.

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TIME FORMAT
* Press **UP(▲)** button to toggle between 12 and 24 hour time format

DAY OF THE WEEK LANGUAGE
* Press and hold **DOWN (▼)** button for 3 seconds: the default language abbreviation will flash (example – **EN**)
* Continue holding **DOWN (▼)** button until the desired day of the week language abbreviation is selected.
* Release the **DOWN (▼)** button to confirm the setting.

ALARMS
There are two available alarms –Alarm 1 and Alarm 2. If any of alarms is activated, it will sound at the set time and the alarm icon will flash Mondays through Fridays.

SETTING THE ALARM
To set the Alarm1,
* Press **MODE** button once to display **ALARM TIME 1**. If the alarm is off, the default time **"6:00"** will be displayed.
* Press and hold **SET1** button for two seconds. The hour digit will flash.
* Enter the hour using **DOWN (▼)** or **UP (▲)**.
* Press **SET1** button again. The minute digits will flash.
* Enter the minutes using **DOWN (▼)** or **UP (▲)**.
* Press **SET1** button again to confirm: an icon [⏰] will appear on the display next to the alarm time.
* Repeat the same procedure to set an Alarm2, using **SET2** button.

LIGHT/SNOOZE
When the alarm sounds, press the **LIGHT/SNOOZE** button to temporarily stop the alarm. After the **LIGHT/SNOOZE** is depressed, the alarm sound will resume in five minutes.
If the alarm is not disabled after that, it will sound for four more minutes and then will stop by itself.

DISABLING ALARM
Press **SET1** or **SET2** buttons on the unit to disable any of the alarms.
When Alarm1 and Alarm2 are disabled, an applicable icon [⏰] or [⏰] will disappear from the unit's display.

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PROGRAMMING THE SNOOZE INTERVAL
* Press and hold **SET1** button for two seconds to activate an Alarm1 programming mode. Alarm1 hour digit will flash.
* Adjust the desired hour using **UP (▲)** or **DOWN (▼)** buttons.
* Press **SET1** button: the minute digits will flash.
* Adjust the desired minutes using **UP (▲)** or **DOWN (▼)** buttons.
* Press **SET1** button again: the snooze interval minutes will flash.

* Adjust the desired interval time using **UP (▲)** or **DOWN (▼)** buttons.
* Press **SET2** button to confirm set snooze interval.
Use the same procedure to program the snooze interval for Alarm2.

INDOOR TEMPERATURE
The indoor temperature shares the same display's line with the calendar and the day of the week.
NOTE: If the indoor temperature goes above or below operating range stated in specifications, the display will show dashes [-.-]

MOON PHASE
Moon phase indicator is displayed in accordance with the calendar.

New Moon	Waning Crescent	First Quarter	Waxing Gibbous	Full Moon	Waning Gibbous	Last Quarter	Waning Crescent

PRECAUTIONS
This product is engineered to give you years of satisfactory service if handled carefully. Here are a few precautions:
* Do not immerse the unit in water.
* Do not clean the unit with abrasive or corrosive materials. They may scratch the plastic parts and corrode the electronic circuits.
* Do not subject the product to excessive force, shock, dust, temperature, or humidity, which may result in malfunctions, shorter lifespan, damaged batteries, and damaged parts.
* Do not tamper with the unit's internal components. Doing so will invalidate the warranty and may cause damage. The unit contains no user-serviceable parts.
* Use only fresh batteries. Do not mix new and old batteries.
* Read the user's manual thoroughly before operating the unit.

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SPECIFICATIONS

Indoor Temperature

Proposed operating range : -5.0°C to +50.0°C/
                                          23.0°F to 122.0°F
Temperature resolution : 0.1°C/0.2°F
User-selectable (F° or C°) temperature display

Calendar and Clock

12/24 hour display in hh: mm format
Date format: month – day format
US Time Zone map
Day of the week: User-selectable in three languages
(English, Spanish or French)
Dual 4 minute crescendo alarm with snooze
Programmable snooze interval (one to 59 minutes)
Moon Phase
LED Backlight

Power

2 AAA size (UM-4) 1.5V batteries (not included)

Dimensions

4.72(L) x 2.87(H) x 1.65(D) inches

DATEXX WARRANTY INFORMATION

www.datexx.com